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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"10/024720"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L2	12	("4459699" "5995819" "6148047" "6356218" "6366622" "6678178"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L3	3390	phase with shift\$2 with (LPF or (low adj pass adj filter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L4	2980	(phase adj shift\$2) with (LPF or (low adj pass adj filter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L5	944289	(DC or (direct adj current) near offset) (phase adj shift\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L6	3174	(DC or (direct adj current) near offset) with (phase adj shift\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L7	165	(DC or (direct adj current) near offset) with adjust\$3 with(phase adj shift\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L8	165	(DC or (direct adj current) near offset) with adjust\$3 with (phase adj shift\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39

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L9	267	(DC or (direct adj current) near offset) with (adjust\$3 or correct\$3) with (phase adj shift\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L10	3	(DC or (direct adj current) near offset) with (adjust\$3 or correct\$3) with (phase adj shift\$2) with estimat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L11	6	(4385328 4459699 6108696).pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L12	12	(DC or (direct adj current) near offset) with (adjust\$3 or correct\$3) with (phase adj shift\$2) with compar\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L13	18	(DC or (direct adj current) near offset) with GFSK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L14	3	(DC or (direct adj current) near offset) with GFSK and (phase with shift\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L15	38	(DC or (direct adj current) near offset) with (adjust\$3 or correct\$3) with ((phase adj shift\$2) or delay\$3) with compar\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L16	3	(DC or (direct adj current) near offset) with GFSK and (delay\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39

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L17	53	Bluetooth and ((DC adj offset) with estimat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L18	3296	375/346	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L19	1178	(DC or (direct adj current) near offset) with (adjust\$3 or correct\$3) with compar\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L20	6	L18 and L19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L21	164	((DC or (direct adj current) near offset) and (adjust\$3 or correct\$3) and compar\$3 and (phase with shift\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L22	0	((DC or (direct adj current) near offset) and (adjust\$3 or correct\$3) and compar\$3 and (phase with shift\$3) and (estimat\$3 adj cd adj offset)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L23	0	((DC or (direct adj current) near offset) and (adjust\$3 or correct\$3) and compar\$3 and (phase with shift\$3) and (estimat\$3 with cd adj offset)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
L24	10	((DC or (direct adj current) near offset) and (adjust\$3 or correct\$3) and compar\$3 and (phase with shift\$3) and (estimat\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39

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L25	10	((DC or (direct adj current) adj offset) and (adjust\$3 or correct\$3) and compar\$3 and (phase with shift\$3) and (estimat\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
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courses.washington.edu/phys431/lockin.pdf

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of measuring and **comparing** the final achieved wavefront. ... The baseline design for the IWFS is a modified **phase-shifting** Mach-Zehnder interferometer, ...
www.jwst.nasa.gov/public/doc_0157/rev_02/3356-72.pdf

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A **comparison** of total capacitance. used by the filters and ADC is given in Table III. It was **estimated** that by scaling the capacitance, a reduction of 40% ...
kabuki.eecs.berkeley.edu/~gchien/papers/jssccDec97/DECTreceiver.pdf

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One important error source is the device mismatch induced **DC offset** and 1/f noise of ... LOs with an on-chip **phase shifting** network adjusted for quadrature. ...
www.stanford.edu/~sols/course_projects/EE359proj.shtml

[PDF] [PN9000 Phase Noise](#)

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and **phase shifting** one path "Ps" by 90°. The two signal paths RF and LO enter the mixer ... This way the **DC offset** and the internal phase noise of the phase ...
www.aeroflex.com/products/gentest/phasenoise/productinfo/PN9000Productline.pdf

[From EDN Europe: Direct conversion receivers battle superhets for ...](#)

To provide accurate **phase shifting** and avoid in-phase/quadrature (I/Q) mismatches, ... GPRS and EDGE data exchanges require especially accurate **dc offset** ...
www.edn.com/article/CA84071.html

[PDF] [Interference Potential of Ultrawideband Signals](#)

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In this study, we investigated how DS-UWB statistics **compare** with Gaussian ... **DC offset** settings are found by repetitive **adjustment** of these settings and ...
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Lagimoniere, Jr., Ernest Eugene, Aug 2001
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- ☐ **Mycroft, Walter**, Jan 1999
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...subynchronous oscillations and direct current (**DC**) **offset**. Left unchecked, subynchronous resonance...damping subynchronous oscillations and **DC offset** in power transmission systems. For example...transmission system, as well as to damp **DC offset**, which is directed toward overcoming...
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BOWLER, Colin, E., J. / LARSEN, Einar, V. / BAKER, Daniel, H. / ELECTRIC POWER RESEARCH INSTITUTE, PATENT COOPERATION TREATY APPLICATION, Nov 1993
...subynchronous oscillations and direct current (**DC**) **offset**. Left unchecked, subynchronous resonance...damping subynchronous oscillations and **DC offset** in power transmission systems. For example...transmission system, as well as to damp **DC offset**, which is directed toward overcoming...
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[Microwave Theory and Techniques, IEEE Transactions on](#)
 Volume 54, Issue 1, Jan. 2006 Page(s):20 - 30
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- ☐ 2. **A low-cost dual-mode noncoherent receiver with robust frequency-offset compensation**
 Liu, C.-L.; Djen, W.S.; Feher, K.;
[Vehicular Technology Conference, 1993 IEEE 43rd](#)
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- ☐ 3. **An I/Q active balanced harmonic mixer with IM2 cancelers and a 45° phase shifter**
 Yamaji, T.; Tanimoto, H.; Kokatsu, H.;
[Solid-State Circuits, IEEE Journal of](#)
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- ☐ 4. **Zero-crossing Shapiro step in a three-junction SQUID magnetically coupled with a phase-shifted RF signals**
 Mizugaki, Y.; Jian Chen; Nishikata, S.; Sugi, K.; Nakajima, K.; Yamashita, T.;
[Applied Superconductivity, IEEE Transactions on](#)
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- ☐ 5. **Phased array control using phase-locked-loop phase shifters**
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- ┐ **6. Complete elimination of DC offset in current signals for relaying applications**
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[Power Engineering Society Winter Meeting, 2000. IEEE](#)
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- ┐ **7. A new family of measurement technique for tracking voltage phasor, local system frequency, harmonics and DC offset**
 Jun-Zhe Yang; Chih-Wen Liu;
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 Volume 3, 16-20 July 2000 Page(s):1327 - 1332 vol. 3
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- ┐ **8. A new phase-feedback digital oscillator for HHFW transmitters**
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[Fusion Engineering, 2003. 20th IEEE/NPSS Symposium on](#)
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- ┐ **9. A low-noise direct conversion PSK receiver for TDMA land mobile communication**
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- ┐ **10. Differential detection of $\pi/4$ -shifted-DQPSK for digital cellular radio**
 Chennakeshu, S.; Saulnier, G.J.;
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- ┐ **11. Applications of Lyapunov criteria in phase measurements using conformal mapping**
 Gundrum, H.C.; Rizkalla, M.E.;
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- ┐ **12. A low-power multirate differential PSK receiver for space applications**
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- ┐ **13. A direct-conversion receiver for 900 MHz (ISM band) spread-spectrum digital cord telephone**
 Hull, C.D.; Joo Leong Tham; Chu, R.R.;

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14. **Subharmonically pumped CMOS frequency conversion (up and down) circuits for WCDMA direct-conversion transceiver**
Kwang-Jin Koh; Mun-Yang Park; Cheon-Soo Kim; Hyun-Kyu Yu;
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Volume 39, Issue 6, June 2004 Page(s):871 - 884
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15. **Noncoherent detection of digitally phasor block-modulated signals in the presence of offset**
Char-Dir Chung;
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Volume 3, 26-29 Sept. 2004 Page(s):2118 - 2122 Vol. 3
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16. **An adaptive direct conversion transmitter**
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17. **BER performance analysis of a direct conversion receiver**
Lindoff, B.; Malm, P.;
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Volume 50, Issue 5, May 2002 Page(s):856 - 865
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18. **A GFSK demodulator for low-IF Bluetooth receiver**
Bo Xia; Chunyu Xin; Wenjun Sheng; Valero-Lopez, A.Y.; Sanchez-Sinencio, E.;
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Tuthill, J.; Cantoni, A.;
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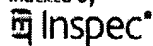
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IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

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Inventor Information for 10/024720

Inventor Name	City	State/Country
SCHETELIG, MARKUS	WALTROP	GERMANY
BURGESS, PAUL	BOCHUM	GERMANY

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Last Name = SCHETELIG

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<u>08851369</u>	<u>6044118</u>	150	05/05/1997	METHOD FOR ADJUSTING THE FREQUENCY OF AN OSCILLATOR FOR A RECEIVER CIRCUIT	SCHETELIG, MARKUS
<u>09267030</u>	<u>6487400</u>	150	03/12/1999	COMMUNICATIONS DEVICE AND A METHOD FOR CONTROL OF ITS OPERATION	SCHETELIG, MARKUS
<u>09404654</u>	<u>6959013</u>	150	09/24/1999	COMMUNICATION NETWORK	SCHETELIG, MARKUS
<u>09404657</u>	<u>6639905</u>	150	09/24/1999	COMMUNICATION NETWORK	SCHETELIG, MARKUS
<u>09404717</u>	<u>6532228</u>	150	09/24/1999	OPEN LOOP RECEIVER	SCHETELIG, MARKUS
<u>09404718</u>	<u>6622011</u>	150	09/24/1999	PAGING	SCHETELIG, MARKUS
<u>09832113</u>	<u>6895229</u>	150	04/10/2001	RECEIVER ARRANGEMENT FOR RECEIVING FREQUENCY-MODULATED RADIO SIGNALS AND METHODS OF ADAPTING AND TESTING A RECEIVING BRANCH OF THE RECEIVER ARRANGEMENT	SCHETELIG, MARKUS
<u>09885130</u>	Not Issued	121	06/21/2001	DEVICE SYNCHRONISATION OVER A NETWORK	SCHETELIG, MARKUS
<u>09889232</u>	Not Issued	83	11/28/2001	Interface	SCHETELIG, MARKUS
<u>09981795</u>	Not Issued	71	10/19/2001	Method and a device for controlling data extraction from a data stream containing at lease one data packet	SCHETELIG, MARKUS
<u>09981903</u>	Not Issued	93	10/19/2001	METHOD AND DEVICE FOR IDENTIFYING A DATA PACKET IN A DATA STREAM	SCHETELIG, MARKUS
<u>10024720</u>	Not Issued	51	12/21/2001	Signal DC offset correction method and device	SCHETELIG, MARKUS
<u>60243061</u>	Not Issued	159	10/25/2000	Bluetooth2 high rate radio	SCHETELIG, MARKUS

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Last Name = BURGESS

First Name = PAUL

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08178407	5427159	250	01/06/1994	COUNTERTOP FINISHING APPARATUS	BURGESS, II, PAUL B.
09142876	Not Issued	161	09/16/1998	IMPROVEMENTS RELATING TO TAPERED FISHING LINES	BURGESS, PAUL
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